

Figure 1: Comparison of release of Paclitaxel from silicone elastomer coatings made with and without 20% PEG into calf serum.

Figure 2: Comparison of release of Tranilast from silicone elastomer coatings made with and without 20% PEG into PBS, pH = 7.4.

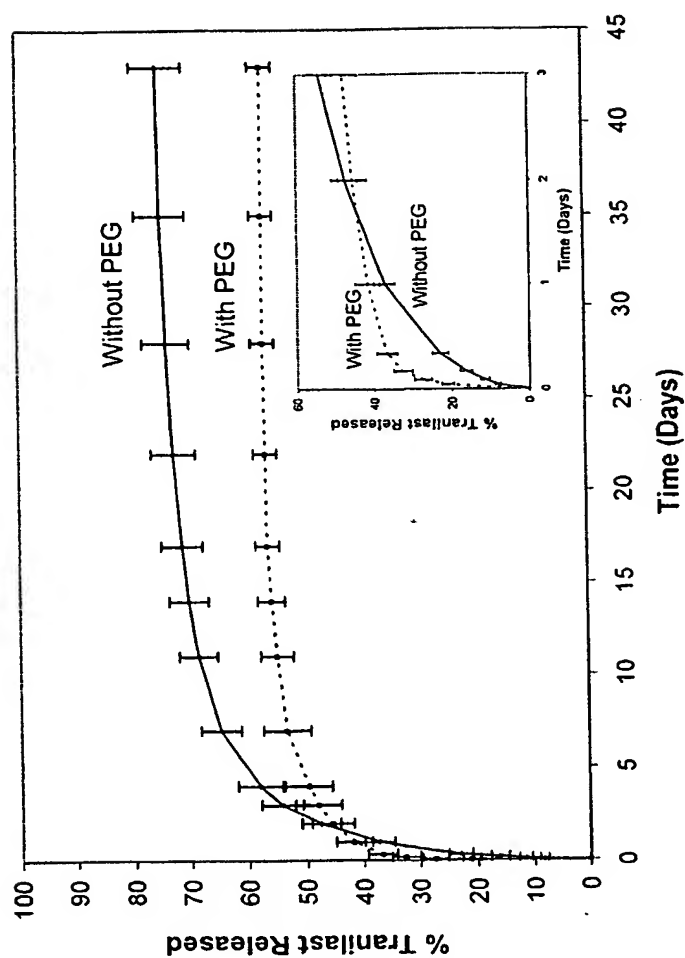


Figure 3: Comparison of release into PBS, pH = 7.4 of Tranilast from silicone elastomer coatings with topcoats made of silicone and silicone/PEG.

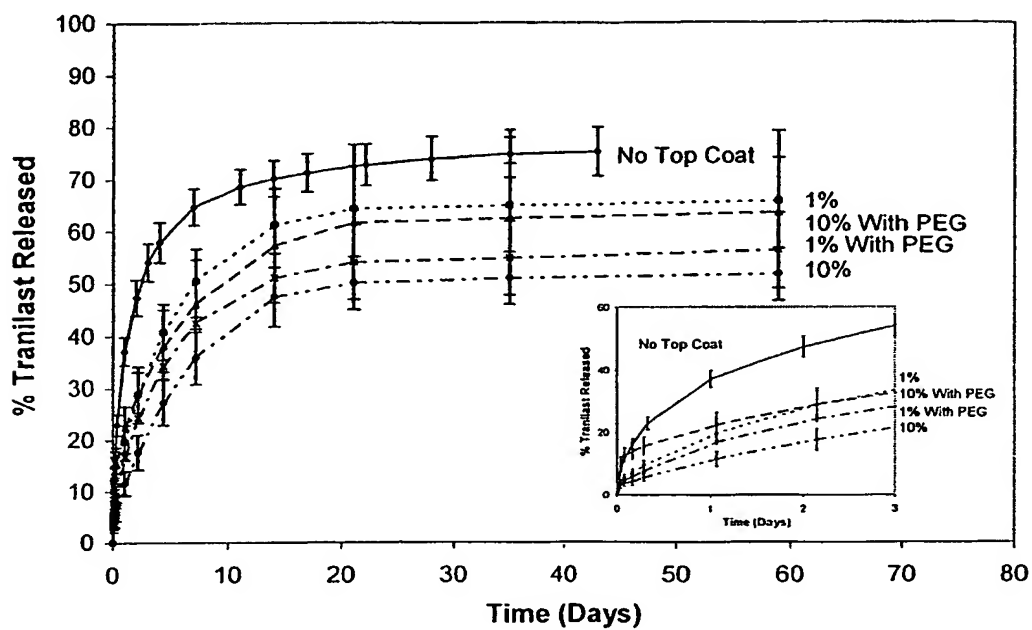


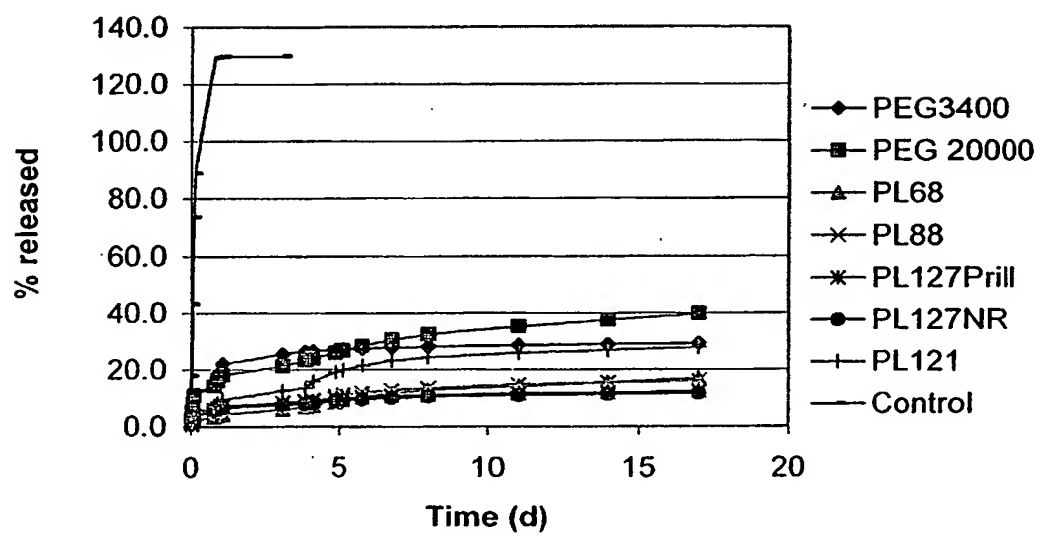
Figure 4. Percent methylene blue released

Figure 5. Percent methylene blue released—reduced scale.

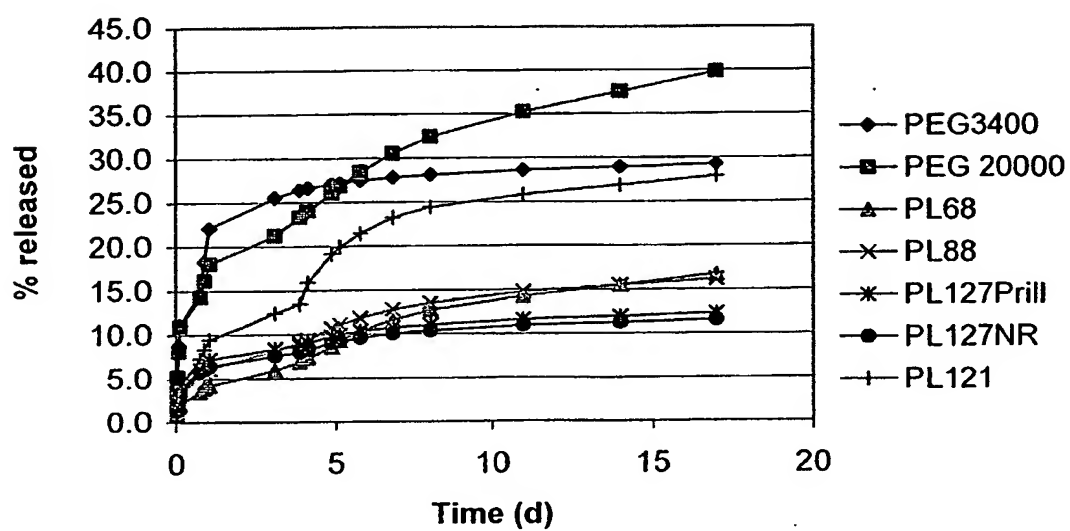


Figure 6. Release rate of Methylene Blue after one week ($r^2 = 0.88-0.98$)

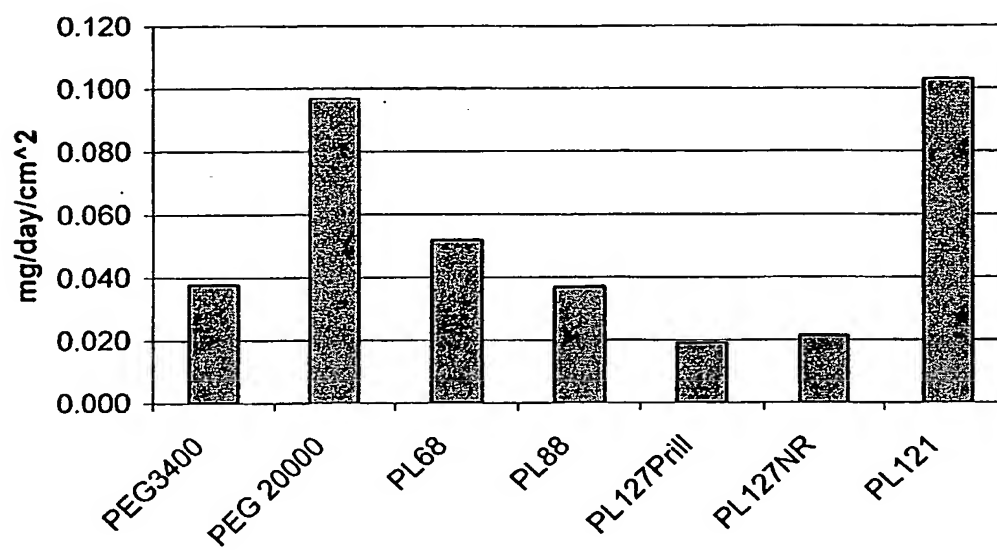


Figure 7. Amount of DENS PM in test disks as a function of disk composition. Numbers in bold refer to the sample identification number.

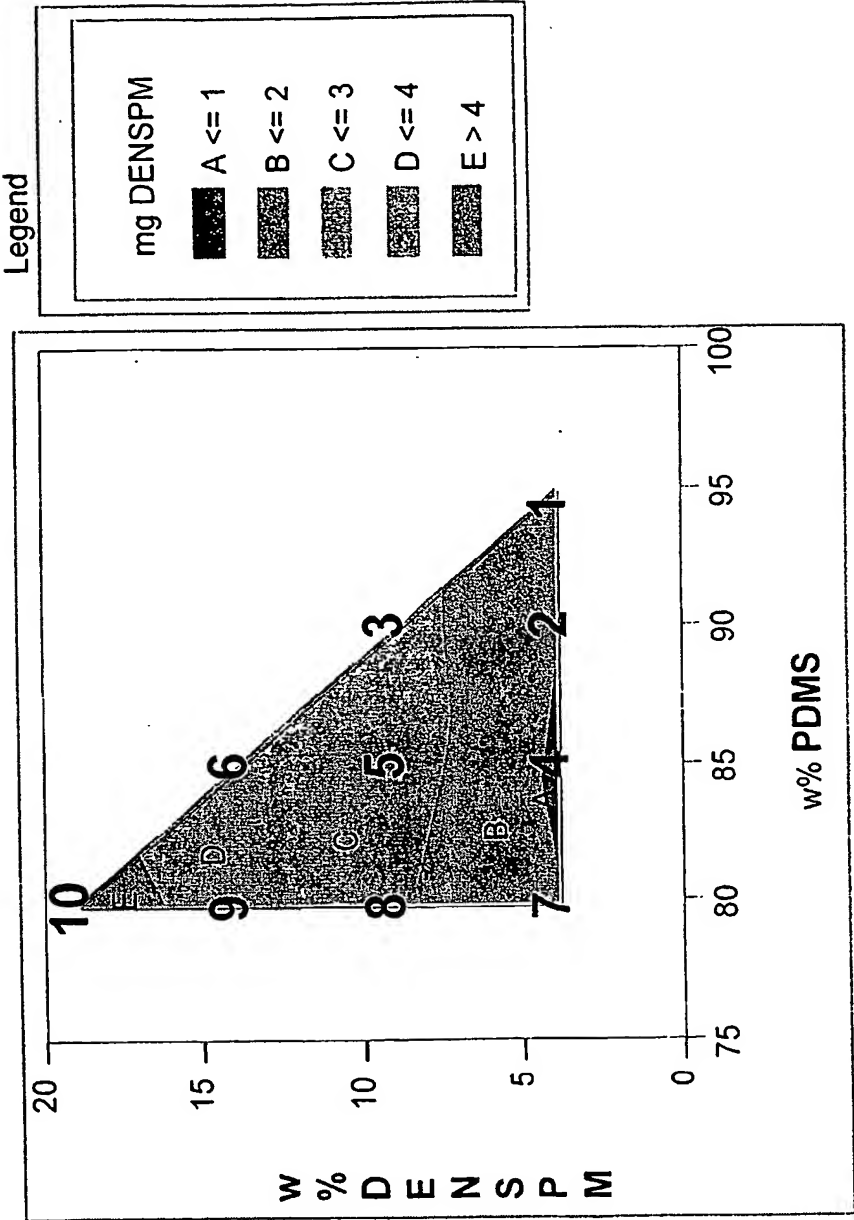


Figure 8. Deformation scores of DENSPM-loaded silicone composites after two weeks soaking in phosphate buffered saline at 37C, n=3.

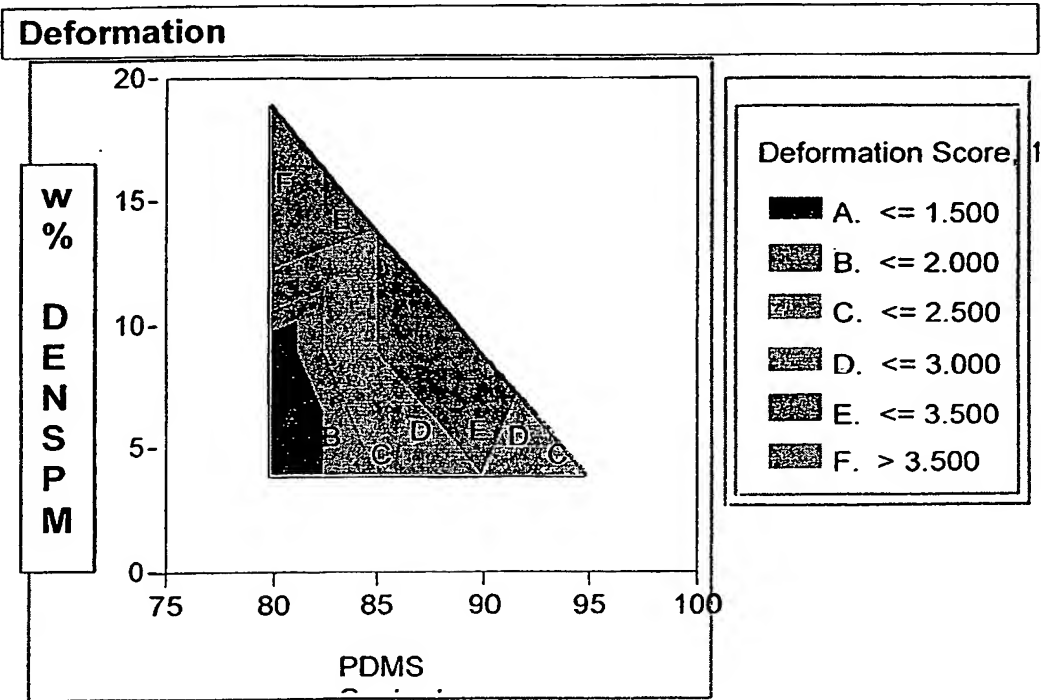


Figure 9. Young's modulus (MPa) of DENS PM-loaded films prior to gamma irradiation, as a function of composition, n=3.

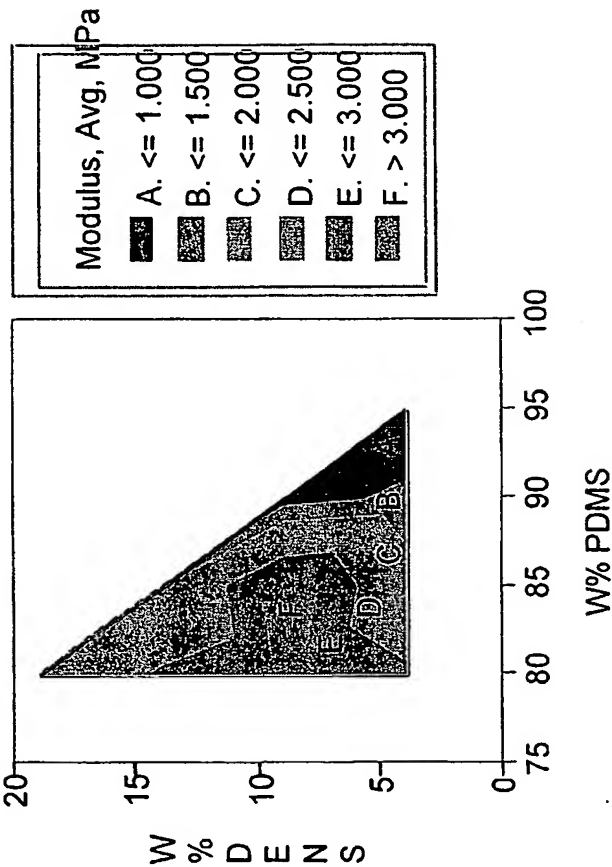


Figure 10. Young's modulus (MPa) of DENS PM-loaded films after 2.6MRad gamma irradiation, as a function of composition, n=3.

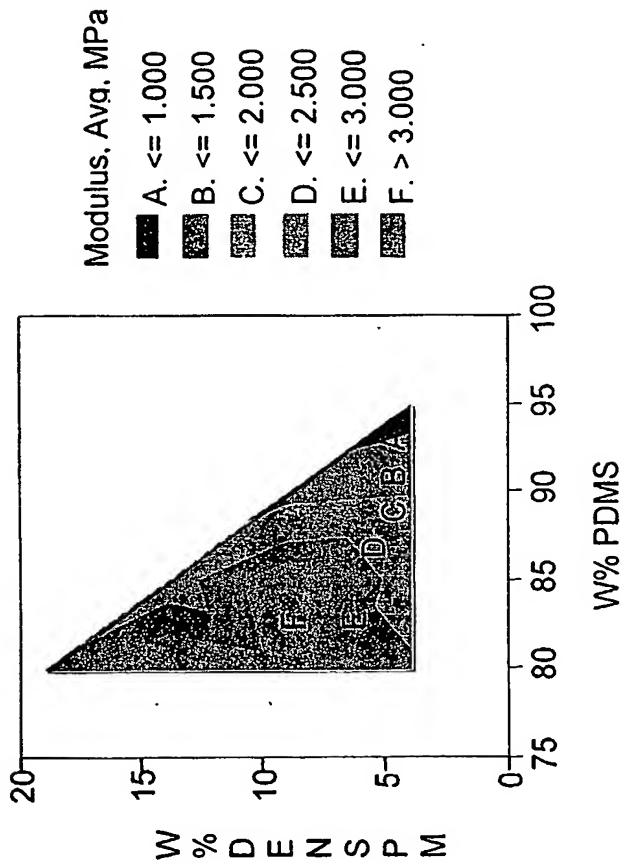
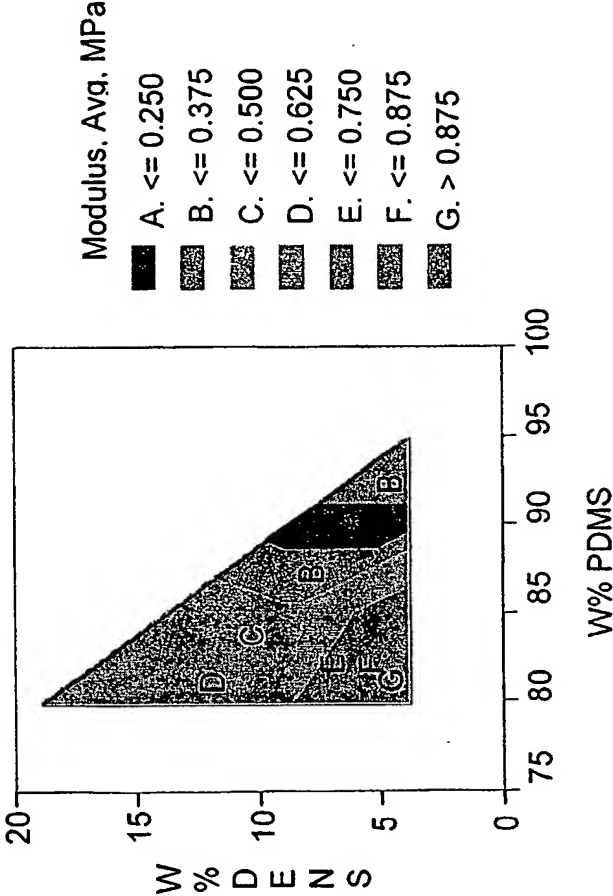


Figure 11. Young's modulus (MPa) of gamma irradiated, DENS PM-loaded films after two weeks soaking, as a function of composition, n=3.



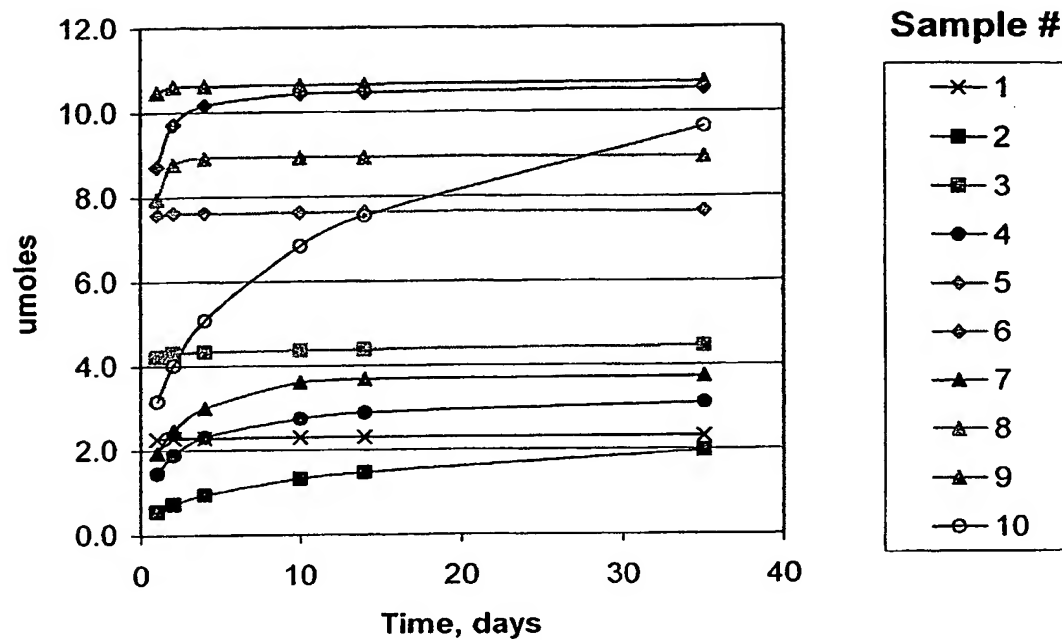


Figure 12. Kinetic release of DENS PM from PDMS-DENS PM-PEG composites.

INTERNATIONAL SEARCH REPORT

International Application
PCT/US 03/19

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61L27/44 A61L27/48 A61L27/54 A61L29/12 A61L29/16
A61L31/12 A61L31/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, EMBASE, BIOSIS, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 923 953 A (SCHNEIDER USA INC) 23 June 1999 (1999-06-23) paragraph '0021! paragraph '0032! paragraph '0044! paragraph '0054! - paragraph '0055! example 2 ---	1-21
X	WO 02 36175 A (CONTROL DELIVERY SYSTEMS) 10 May 2002 (2002-05-10) page 12, line 19 - line 28 --- -/--	1-21

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

12 September 2003

Date of mailing of the international search report

29/09/2003

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INTERNATIONAL SEARCH REPORT

International Appl.

PCT/US 03/19666

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE WPI Section Ch, Week 199839 Derwent Publications Ltd., London, GB; Class A26, AN 1998-454945 XP002254401 & RU 2 103 013 C (ST PETERSBURG TRAUMATOLOGY ORTHOPAEDICS), 27 January 1998 (1998-01-27) abstract	1-21
X	EP 0 224 981 A (PACO RES CORP) 10 June 1987 (1987-06-10) abstract; examples 1-10	1-8

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application

PCT/US 03/19576

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0923953	A	23-06-1999	US 6099562 A EP 0923953 A2 JP 11199471 A US 6284305 B1 US 2002004101 A1	08-08-2000 23-06-1999 27-07-1999 04-09-2001 10-01-2002
WO 0236175	A	10-05-2002	AU 3239902 A CA 2427795 A1 EP 1330270 A2 WO 0236175 A2 US 2003139811 A1 US 2002169162 A1	15-05-2002 10-05-2002 30-07-2003 10-05-2002 24-07-2003 14-11-2002
RU 2103013	C	27-01-1998	RU 2103013 C1	27-01-1998
EP 0224981	A	10-06-1987	AU 561608 B1 EP 0224981 A2 ES 2001064 A6 JP 62108812 A	14-05-1987 10-06-1987 16-04-1988 20-05-1987